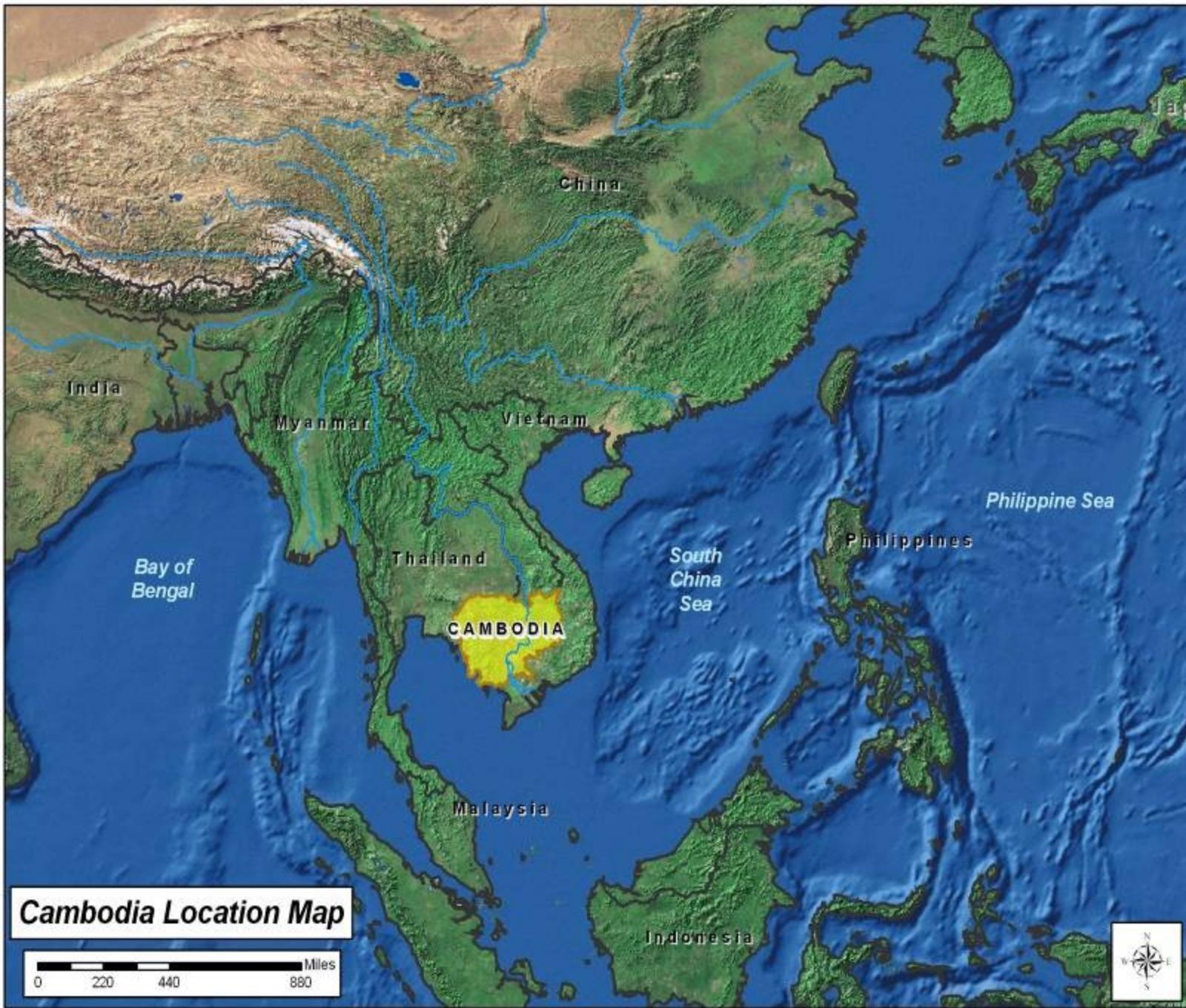


CAMBODIA

- Developing country
- Limited industrial infrastructure and manufacturing base



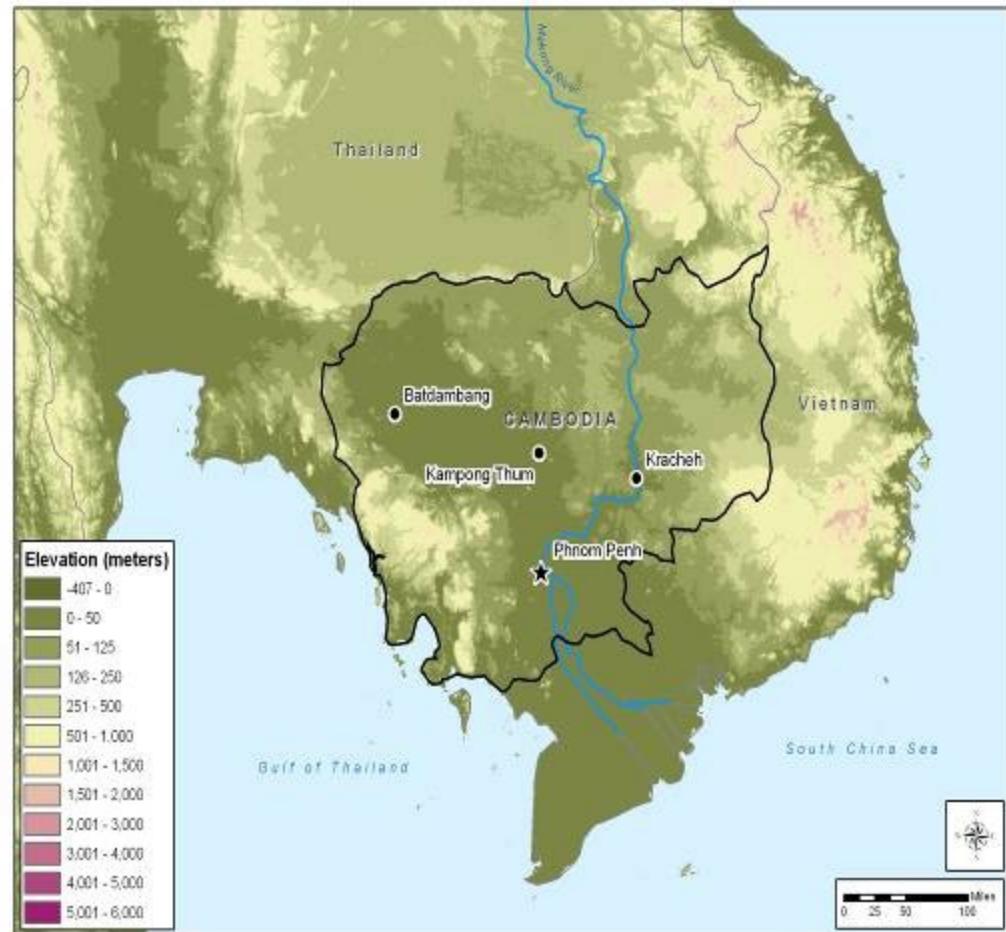
Where in the world is Cambodia?



Physical Environment

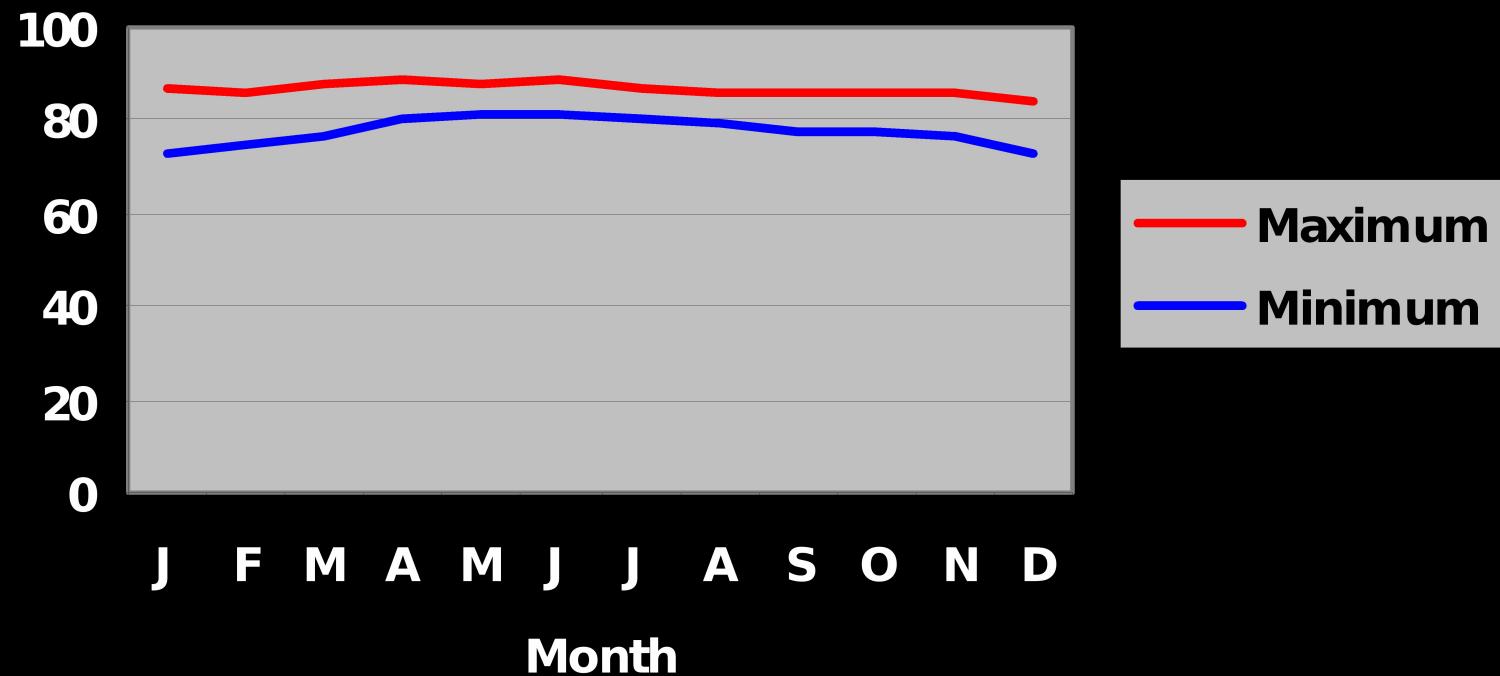
- Topography
 - About the size of Oklahoma
 - 3 geographic regions
 - central basin, highlands, Mekong River

- Climate
 - Tropical monsoonal climate
 - Dry season, wet season, flooding



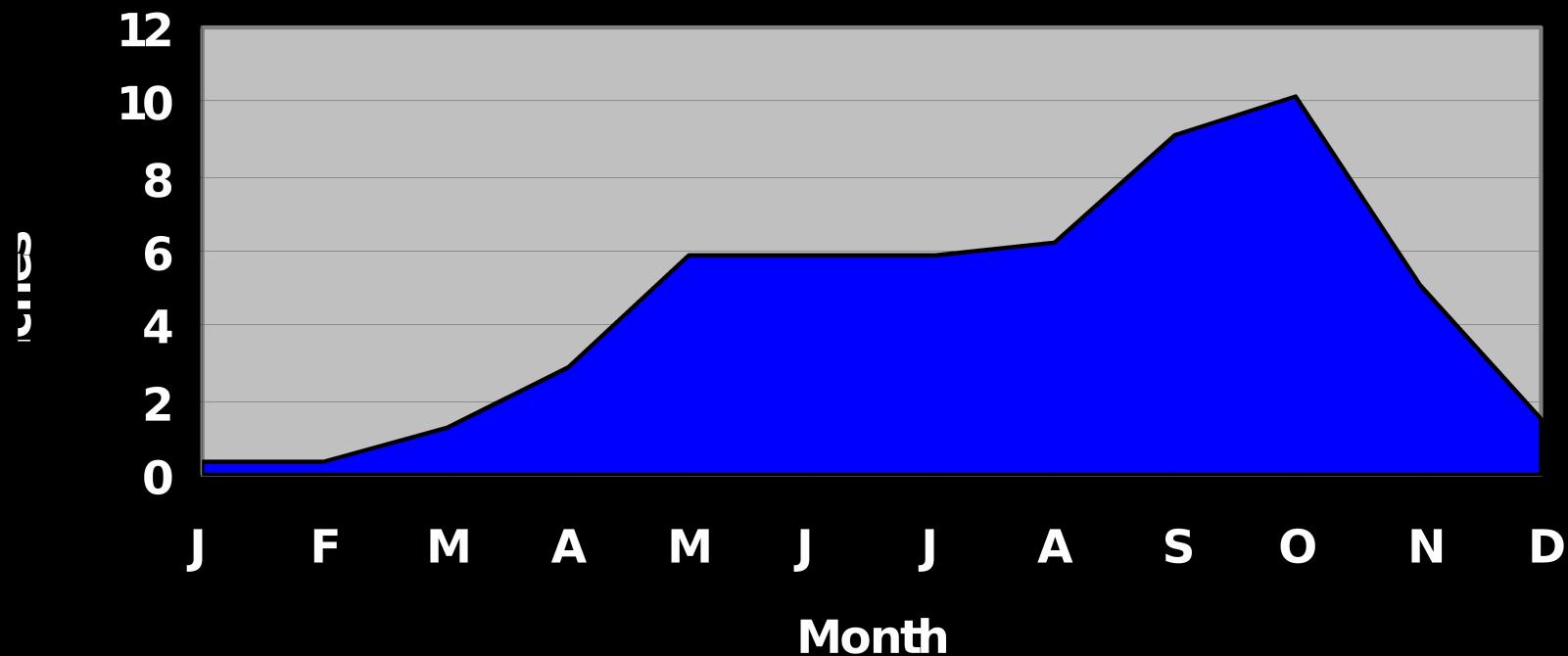
Physical Environment

Average Max/Min Temperature in Phnom Penh



Physical Environment

Average Total Precipitation in Phnom Penh



Environmental Health Risk

- **Greatest short term risks associated with water contaminated with raw sewage and extreme heat**
- **Greatest long term risks associated with water contaminated with industrial pollutants or pesticides**



Environmental Issues

- Air Contamination
 - Overall, low risk to human health
 - Is on the rise in urban areas
 - Leaded gasoline is still used in Cambodia



Environmental Issues

Cont.

- Soil Contamination
 - Localized to industrial areas
 - Low risk to human health
- Water Contamination
 - Indiscriminate disposal of raw sewage and industrial waste
 - 40% of residents lack access to potable water
 - Local bottled water commercially available but not safe



Infectious Disease Risk Definitions

HIGH	INTERMEDIATE	LOW
<p>The main force health protection emphasis should be on these diseases, which are the most likely to degrade operations by affecting a large percentage of personnel, or by causing severe illness in a smaller percentage.</p>	<p>These diseases also warrant force protection emphasis. They are less likely to degrade operations because they generally affect smaller numbers of personnel, or cause mild symptoms.</p>	<p>Other militarily significant diseases that are likely to have a minimal impact on operational readiness. These diseases are not generally discussed in the Medical Threat Presentations.</p>

Infectious Disease Risk

- **VERY HIGH RISK** for infectious diseases
- Inadequate force health protection (FHP) measures, will seriously jeopardize mission effectiveness

Infectious Diseases

- Foodborne and Waterborne Diseases
 - **HIGH RISK** = Diarrhea - bacterial & protozoal, hepatitis A, typhoid/paratyphoid
 - **INTERMEDIATE RISK** = hepatitis E, brucellosis, cholera
- FHP Priorities
 - **Deploy appropriate PM personnel and equipment**
 - Consume food, water, ice only from US-approved sources
 - Operate food preparation facilities in accordance with Army doctrine
 - Ensure proper hand washing facilities near all latrines and dining facilities and enforce

Infectious Diseases Cont.

- Vector-borne Diseases
 - **HIGH RISK** = Dengue fever, Malaria, Japanese encephalitis
 - **INTERMEDIATE RISK** = Chikungunya, Typhus, Plague
- FHP Priorities
 - Use DEET on all exposed skin
 - Treat field uniforms with permethrin
 - Use bed nets in field conditions, treat with permethrin
 - Anti-malarial medication as appropriate



Infectious Diseases Cont.

- Animal-contact Diseases
 - **INTERMEDIATE RISK** = Anthrax, Q-fever, Rabies
 - **LOW** = H5N1 avian influenza
- FHP Priorities
 - Avoid animal contact (alive or dead), especially if an animal exhibits strange behavior
 - No mascots
 - Report all animal bites and scratches
 - Do not keep food in living areas
 - Dispose of trash properly



Infectious Diseases Cont.

- Sexually Transmitted Diseases
 - **HIGH RISK** = hepatitis B
 - **INTERMEDIATE RISK** = gonorrhea/chlamydia, HIV/AIDS
- FHP Priorities
 - Avoid sexual contact
 - Use latex condoms if sexually active



Infectious Diseases Cont.

- Water-contact Diseases
 - **INTERMEDIATE RISK** = schistosomiasis, leptospirosis
- FHP Priorities
 - avoid unnecessary contact with lakes, rivers, streams, and other surface water

There will not be a sign like

WARNING!

LEPTOSPIROSIS

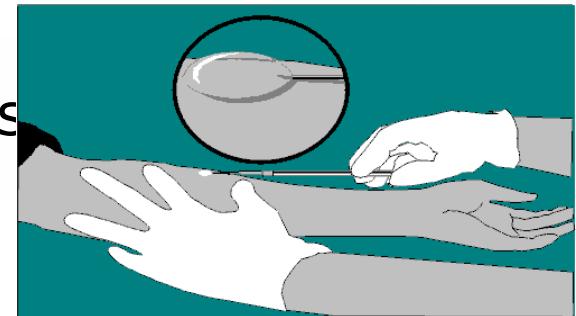
HEALTH HAZARD

FRESH WATER STREAMS AND MUD
POSSIBLY POLLUTED WITH BACTERIA

SWIM, BOAT,
OR HIKE AT YOUR OWN RISK

Infectious Diseases Cont.

- Respiratory Diseases
 - **INTERMEDIATE RISK** = tuberculosis
- FHP Priorities
 - Tuberculin skin test before and after deployment
 - 72 sq ft/person and head-to-toe sleeping arrangement
 - Cough or sneeze into your upper sleeve instead of your hands
 - Wash hands at every opportunity
 - Avoid close contact with local population



Hazardous Animals & Plants

- Animals
 - Rabid dogs, snakes, centipedes, scorpions, spiders
- Plants
 - Strychnine, Castor Bean
- FHP Priorities
 - Do not handle animals
 - Shake out boots, clothing, & bedding
 - Do not touch, chew, eat, or burn unfamiliar plants



SUMMARY

- Physical Environment
- Infectious Diseases = **VERY HIGH RISK**
- Hazardous Animals and Plants
- FHP measures are simple and:
 - Use and Enforce
 - Will conserve the fighting strength

